

TRIM MATERIAL COMBINATION (ON REQUEST)			
Trim NO.	Seat ring face Part No.2	Wedge Ring Face Part No.3	Stem Part No.11
1	F6a/13%Cr.	F6a/13%Cr.	F6a/AISI410
2	F304	F304	F304/ AISI304
5	STELLITE	STELLITE	F6a/AISI410
8	STELLITE	F6a/13%Cr	F6a/AISI410
9	MONEL	MONEL	MONEL
10	F316	F316	F306/AISI316
13	ALLOY 20	ALLOY 20	ALLOY 20

OTHER TRIM COMBINATION OF API 602 CAN BE PROVIDED ON REQUEST.

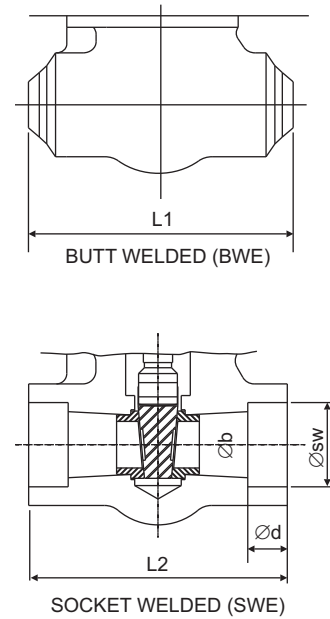
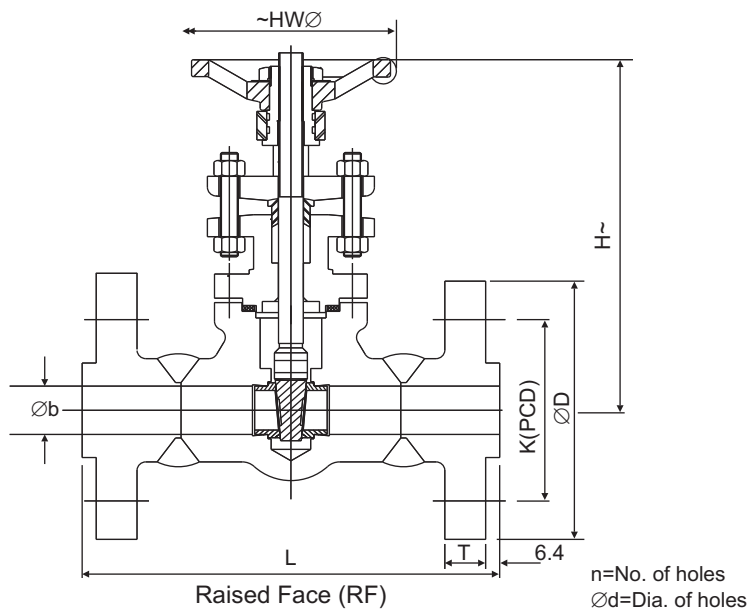
STANDARD MATERIAL COMBINATION

S.NO.	PART NAME	Carbon steel to ASTM		Alloy steel to ASTM				Stainless steel to ASTM			
		A105	A350 LF2	A182 F1	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182F304L	A182F316L
1	BODY	A105	A350 LF2	A182 F1	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182F304L	A182F316L
4	GASKET	Spiral wound Stainless steel Graphoil filled									
5	BONNET	A105	A350 LF2	A182 F1	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F316	A182F316L
6	STUDS	A193B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193B8	A193B8	A193B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F-304	F-316	F-304L	F-316L
9	GLAND FLANGE	A105	A350 LF2	A182 F1	A182 F11	A182 F22	A182 F9	A182F304	A182 F316	A182F304L	A182F316L
10	NUTS	A194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HANDWHEEL	DI. A536 80-55-06 OR MI/A338									
14	STEM	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F-304	F-316	F-304L	F-316L
15	HANDWHEEL RETAINING NUT	STEEL									

TEST PRESSURES

CLASS	SHELL TEST		SEAT TEST			
			(HYDROSTATIC)		PNEUMATIC	
	600	150 Bar g	2175 Psi g	110 Bar g	1595 Psi g	6.9 bar
800	207 Bar g	3002 Psi g	152 Bar g	2204 Psi g	6.9 bar	100 Psi g
1500	373 Bar g	5410 Psi g	274 Bar g	3975 Psi g	6.9 bar	100 Psi g
2500	639 Bar g	9270 Psi g	468 Bar g	6790 Psi g	6.9 bar	100 Psi g

NOTE: The above data is subject to change without notice due to our continuing product improvement program.



DIMENSIONAL DATA CLASS - 600

DN	NPS	L(RF)	ϕD	T	K(PCD)	n	ϕd	H	ϕHW	D	F	Aprox.Wt. \wedge
15	1/2	165	95.5	14.2	66.5	4	15.7	145	90	11	6.4	3.97
20	3/4	190	117.5	15.8	82.5	4	19.1	170	95	14	6.4	7.18
25	1	216	124	17.5	88.9	4	19.1	192	108	14	6.4	9.26
32	1 1/4	229	133.5	20.6	98.5	4	19.1	220	125	14	6.4	--
40	1 1/2	241	155.5	22.4	114.3	4	22.3	220	125	14	6.4	16.260
50	2	292	165.1	25.4	127	8	19.1	252	125	17	6.4	20.340

DIMENSIONAL DATA CLASS - 800

DN	NPS	ϕb	L1(BWE)	L2(SWE)	H	ϕHW	BS 3799 ϕSWE	ASME B16.11	D	Aprox.Wt. \wedge
15	1/2	9.5	80	80	128	83	21.8 ^{+0.3} / _{-0.0}	22.2 21.8	11	1.6
20	3/4	12.5	88	88	150	90	27.4 ^{+0.3} / _{-0.0}	27.6 27.2	14	2.1
25	1	18	100	100	165	96	34.1 ^{+0.3} / _{-0.0}	34.3 33.9	14	3.15
32	1 1/4	24	114	114	192	108	42.9 ^{+0.3} / _{-0.0}	43.1 42.7	14	4.92
40	1 1/2	31	104	104	222	125	49 ^{+0.3} / _{-0.0}	49.2 48.8	14	5.8
50	2	37	116	116	245	125	61 ^{+0.3} / _{-0.0}	61.7 61.2	17	9.450

NOTE: The above data is subject to change without notice.

(\wedge WEIGHT GIVEN IN KGS)